

WHAT IS CLAIMED IS:

1 1. A method for changing node instances in a content structure between a
2 first system and a second system in a distributed computing environment, the method
3 comprising:

4 receiving a request for at least one node instance in the content structure,
5 wherein the content structure is located on the first system;

6 sending at least one representative ID of the requested at least one node
7 instance to the second system;

8 selecting at least one ID in the at least one representative ID;

9 sending the selected at least one ID in a command to change at least one node
10 instance to the first system; and

11 changing the at least one node instance in the content structure.

12 2. The method of claim 1, wherein content description comprises an
13 MPEG description.

14 3. The method of claim 1, wherein the ID is a universal ID.

15 4. The method of claim 1, wherein the content structure is a tree structure.

16 5. The method of claim 1, wherein the step of sending at least one ID
17 comprises sending IDs for the requested at least one node instance and IDs for node instances
18 related to the requested at least one node instance.

19 6. The method of claim 1, further comprising the steps of:
20 selecting, at the second system, at least one ID and sending a request for at
21 least one node instance associated with the selected at least one ID to the first system; and
22 sending at least one ID associated with the selected at least one ID to the
23 second system.

24 7. The method of claim 1, further comprising the step of creating a proxy
25 structure on the second system using the at least one ID.

26 8. The method of claim 1, wherein changing the at least one node
27 instance in the content structure comprises deleting the at least one node instance.

1 9. The method of claim 1, wherein changing the at least one node
2 instance in the content structure comprises editing the at least one node instance.

1 10. The method of claim 1, wherein changing the at least one node
2 instance in the content structure comprises adding a node instance in relation to the at least
3 one node instance.

1 11. A system for changing node instances in distributed computing
2 environment comprising:

3 a content structure comprising at least one node instance;

4 a first system comprising logic to receive a request for at least one node
5 instance in the content structure and send at least one ID representative of the requested at
6 least one node instance; and

7 a second system comprising logic to select at least one ID and send a
8 command to change the node selected at least one ID,

9 wherein the first system comprises logic to change the corresponding at least
10 one node instance in the content structure using the selected at least one ID.

1 12. The system of claim 11, wherein the content structure comprises an
2 MPEG description.

1 13. The system of claim 11, wherein the ID is a universal ID.

1 14. The system of claim 11, wherein at least one ID representative of the
2 requested at least one node instance comprises at least one node instance and children of that
3 node instance.

1 15. The system of claim 11, wherein the second system comprises logic to
2 select at least one ID and send the selected at least one ID to the first system,

3 wherein the first system comprises logic to send at least one ID associated
4 with the selected ID to the second server.

1 16. The system of claim 15, wherein the second system comprises logic to
2 create a proxy structure using the at least one ID.

1 17. A method for changing node instances of an MPEG description in a
2 content description structure between a first system and a second system in a distributed
3 computing environment, the method comprising:
4 receiving a request for at least one node instance of the MPEG description in
5 the content description structure, wherein the content description structure is located on the
6 first system;
7 sending at least one representative ID of the requested at least one node
8 instance to the second system;
9 selecting at least one ID in the at least one representative ID;
10 sending the selected at least one ID in a command to change at least one node
11 instance to the first system; and
12 changing the at least one node instance in the MPEG description in the content
13 description structure.

1 18. The method of claim 15, wherein the MPEG description comprises a
2 Descriptor.

1 19. The method of claim 15, wherein the MPEG description comprises a
2 Description Scheme.

1 20. A data signal embodied in a carrier wave including instructions for
2 changing node instances in a content structure between a first system and a second system in
3 a distributed computing environment, the method comprising:
4 one or more instructions for receiving a request for at least one node instance
5 in the content structure, wherein the content structure is located on the first system;
6 one or more instructions for sending at least one representative ID of the
7 requested at least one node instance to the second system;
8 one or more instructions for selecting at least one ID in the at least one
9 representative ID;
10 one or more instructions for sending the selected at least one ID in a command
11 to change at least one node instance to the first system; and
12 one or more instructions for changing the at least one node instance in the
13 content structure.

1 21. A computer-readable medium including instructions for changing node
2 instances in a content structure between a first system and a second system in a distributed
3 computing environment, the computer-readable media comprising:
4 one or more instructions for receiving a request for at least one node instance
5 in the content structure, wherein the content structure is located on the first system;
6 one or more instructions for sending at least one representative ID of the
7 requested at least one node instance to the second system;
8 one or more instructions for selecting at least one ID in the at least one
9 representative ID;
10 one or more instructions for sending the selected at least one ID in a command
11 to change at least one node instance to the first system; and
12 one or more instructions for changing the at least one node instance in the
13 content structure.